

(12) **EUROPEAN PATENT APPLICATION**

(88) Date of publication A3:  
**21.03.2018 Bulletin 2018/12**

(51) Int Cl.: **B32B 37/00** (2006.01)

(43) Date of publication A2:  
**14.02.2018 Bulletin 2018/07**

(21) Application number: **17179581.8**

(22) Date of filing: **04.07.2017**

(84) Designated Contracting States:  
**AL AT BE BG CH CY CZ DE DK EE ES FI FR GB  
 GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO  
 PL PT RO RS SE SI SK SM TR**  
 Designated Extension States:  
**BA ME**  
 Designated Validation States:  
**MA MD**

(72) Inventors:

- **HAZEN, John**  
South Hadley, MA 01075 (US)
- **HAZEN, Robert**  
South Hadley, MA 01075 (US)
- **HOAGUE, Larry**  
Feeding Hills, MA 01030 (US)

(74) Representative: **v. Bezold & Partner Patentanwälte  
- PartG mbB**  
**Akademiestraße 7**  
**80799 München (DE)**

(30) Priority: 08.07.2016 US 201615205293

(71) Applicant: **Hazen Paper Company**  
**Holyoke, MA 01040 (US)**

(54) METHOD AND APPARATUS FOR TRANSFER LAMINATION

(57) A method for producing a smooth coating on a substrate includes applying a release coating to a first side of a film, applying an application layer to said first side of said film over said release coating, bonding said first side of said film to a first substrate, applying a print-

able coating to a second side of said film while said first side of said film is bonded to said first substrate, and removing said film from said first substrate leaving said application layer deposited on said first substrate and said printable coating on said second side of said film.

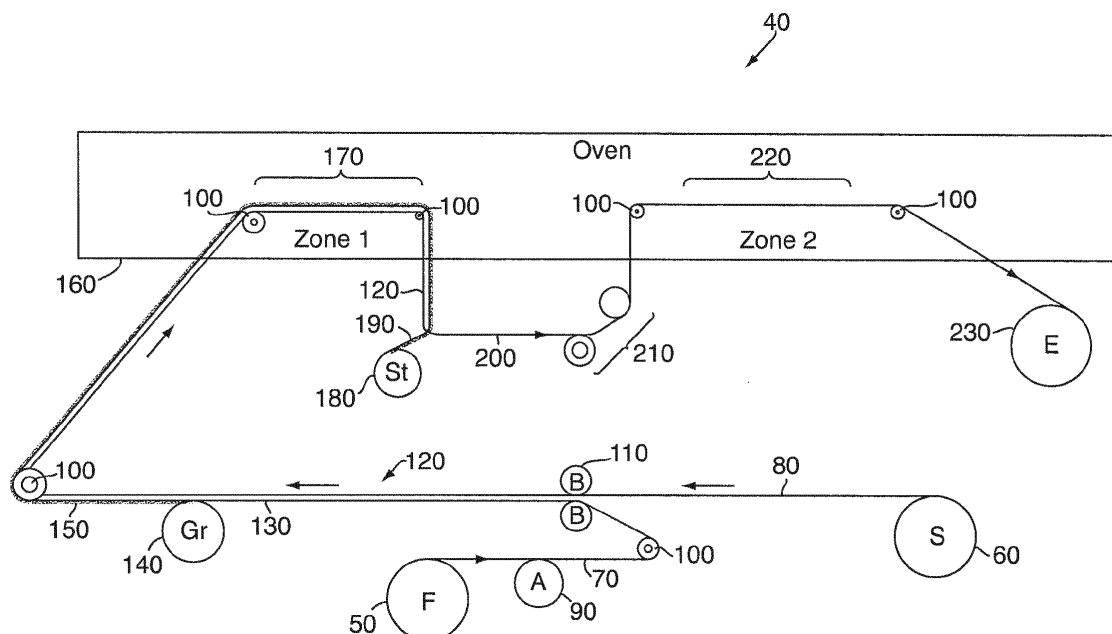


FIG. 2



## PARTIAL EUROPEAN SEARCH REPORT

Application Number

under Rule 62a and/or 63 of the European Patent Convention.  
This report shall be considered, for the purposes of  
subsequent proceedings, as the European search report

EP 17 17 9581

## DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
X A	US 2013/048202 A1 (HAZEN ROBERT [US] ET AL) 28 February 2013 (2013-02-28) * claims; figures *	9-12,14,15 13	INV. B32B37/00
Y	WO 02/096658 A1 (COLOR ARTS INC [US]; RHEIN RALPH [US]) 5 December 2002 (2002-12-05) * claims *	9-12,14,15	
Y	US 2004/200565 A1 (BABB SUSAN M [US]) 14 October 2004 (2004-10-14) * claims *	9-12,14,15	
Y	US R E39 044 E (ROSS GREGORY E [US]) 28 March 2006 (2006-03-28) * claims; figures *	9-12,14	
			TECHNICAL FIELDS SEARCHED (IPC)
			B32B

## INCOMPLETE SEARCH

The Search Division considers that the present application, or one or more of its claims, does/do not comply with the EPC so that only a partial search (R.62a, 63) has been carried out.

Claims searched completely :

Claims searched incompletely :

Claims not searched :

Reason for the limitation of the search:

see sheet C

Place of search

Munich

Date of completion of the search

12 February 2018

Examiner

Devriese, Karel

## CATEGORY OF CITED DOCUMENTS

X : particularly relevant if taken alone  
Y : particularly relevant if combined with another document of the same category  
A : technological background  
O : non-written disclosure  
P : intermediate document

T : theory or principle underlying the invention  
E : earlier patent document, but published on, or after the filing date  
D : document cited in the application  
L : document cited for other reasons

& : member of the same patent family, corresponding document



**INCOMPLETE SEARCH  
SHEET C**

Application Number

EP 17 17 9581

5

10

15

20

25

30

35

40

45

50

55

Claim(s) completely searchable:  
9-15

Claim(s) not searched:  
1-8

Reason for the limitation of the search:

In response to the invitation pursuant to Rule 62a(1) EPC the applicant requested to to carry out the search on the basis of claims 9-15.

**ANNEX TO THE EUROPEAN SEARCH REPORT  
ON EUROPEAN PATENT APPLICATION NO.**

EP 17 17 9581

5

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report.  
The members are as contained in the European Patent Office EDP file on  
The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

12-02-2018

10

15

20

25

30

35

40

45

50

55

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 2013048202 A1	28-02-2013	CN 102869520 A	09-01-2013
		US 2013048202 A1	28-02-2013
		WO 2011109085 A1	09-09-2011
-----			
WO 02096658 A1	05-12-2002	BR 0210118 A	24-08-2004
		CA 2449790 A1	05-12-2002
		CN 1863682 A	15-11-2006
		EP 1390208 A1	25-02-2004
		GB 2375993 A	04-12-2002
		HK 1053448 A1	16-09-2005
		JP 2004528207 A	16-09-2004
		MX PA03011042 A	06-12-2004
		US 2002182384 A1	05-12-2002
		WO 02096658 A1	05-12-2002
-----			
US 2004200565 A1	14-10-2004	NONE	
-----			
US RE39044 E	28-03-2006	AT 297262 T	15-06-2005
		AU 1357797 A	01-08-1997
		DE 69733496 D1	14-07-2005
		EP 1015135 A1	05-07-2000
		US RE39044 E	28-03-2006
		US 5830529 A	03-11-1998
		WO 9725158 A1	17-07-1997
-----			